

FIG. 1 (A)

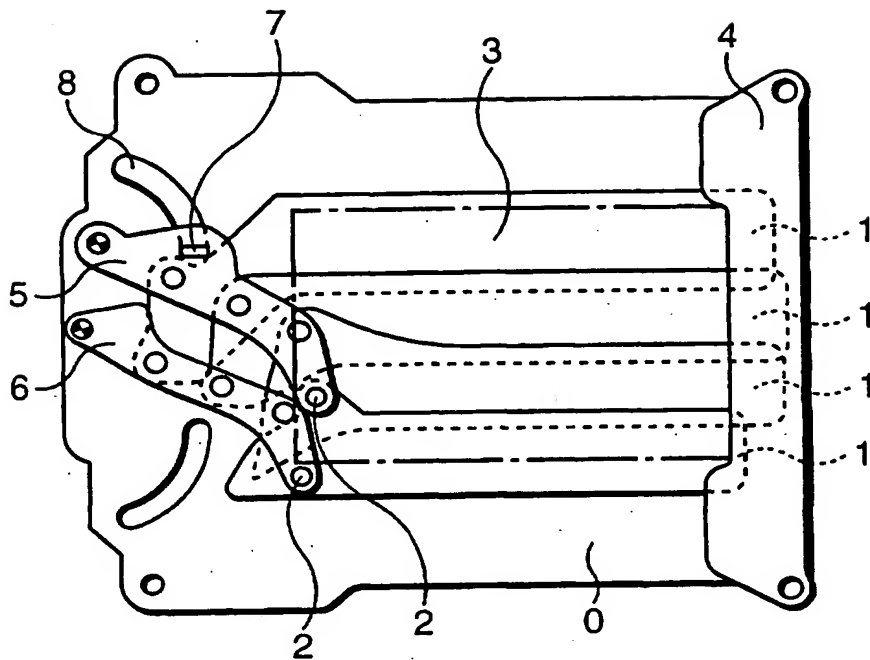


FIG. 1 (B)

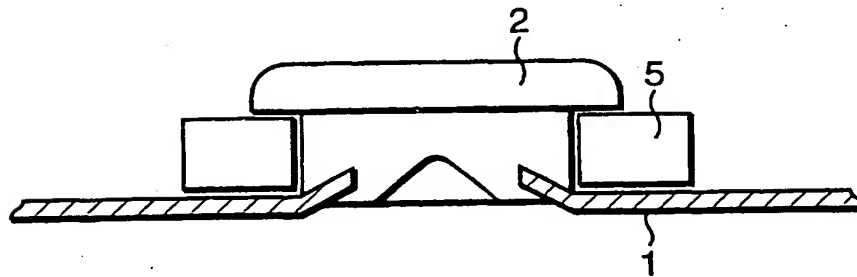


FIG. 2

	TREATMENT OF BLADE DOWEL	TREATMENT OF BLADE ARM	JUDGMENT	STATE OF ABRASION POWDER AFTER DURABILITY TEST
COMPARATIVE EXAMPLE 1	SUS416BFS	SK4 +BLACK DYEING	× (D)	METAL ABRASION POWDER OF 10 μm OR LARGER IS GENERATED, MAINLY ABRASION POWDER OF SUS DOWEL
EMBODIMENT 1	SUS416BFS +CHEMICAL POLISHING +Pd PLATING	SK4 +CHEMICAL POLISHING +BLACK DYEING	◎ (A)	10 μm OR LESS, METAL COMPONENTS ARE NOT DETECTED, MAINLY DUST

FIG. 3

	TREATMENT OF BLADE DOWEL	TREATMENT OF BLADE ARM	JUDGMENT	STATE OF ABRASION POWDER AFTER DURABILITY TEST
COMPARATIVE EXAMPLE 2	SUS416BFS	TITANIUM MATERIAL +NITRIDING TREATMENT +LUBRICATING COATING	× (D)	METAL ABRASION POWDER OF 10 μ m OR LARGER IS GENERATED, MAINLY ABRASION POWDER OF SUS DOWEL
EMBODIMENT 2	SUS416BFS +CHEMICAL POLISHING +Pd PLATING	TITANIUM MATERIAL +CHEMICAL POLISHING +NITRIDING TREATMENT +LUBRICATING COATING	◎ (A)	10 μ m OR LESS, METAL COMPONENTS ARE NOT DETECTED, MAINLY DUST

FIG. 4

	TREATMENT OF BLADE DOWEL	TREATMENT OF BLADE ARM	JUDGMENT	STATE OF ABRASION POWDER AFTER DURABILITY TEST
COMPARATIVE EXAMPLE 3	SK4 +THERMAL TREATMENT +BLACK DYEING	SK4 +BLACK DYEING	× (D)	METAL ABRASION POWDER OF 10 μ m OR LARGER IS GENERATED, ABRASION POWDER OF ARM AND DOWEL
EMBODIMENT 3	SK4 +THERMAL TREATMENT +CHEMICAL POLISHING +Pd PLATING	SK4 +CHEMICAL POLISHING +BLACK DYEING	◎ (A)	10 μ m OR LESS, METAL COMPONENTS ARE NOT DETECTED, MAINLY DUST

FIG. 5

	TREATMENT OF BLADE DOWEL	TREATMENT OF BLADE ARM	JUDGMENT	STATE OF ABRASION POWDER AFTER DURABILITY TEST
COMPARATIVE EXAMPLE 4	SK4 +THERMAL TREATMENT +BLACK DYEING	TITANIUM MATERIAL +NITRIDING TREATMENT +LUBRICATING COATING	× (D)	METAL ABRASION POWDER OF 10 μ m OR LARGER IS GENERATED, ABRASION POWDER OF SK DOWEL
EMBODIMENT 4	SK4 +THERMAL TREATMENT +CHEMICAL POLISHING +Pd PLATING	TITANIUM MATERIAL +CHEMICAL POLISHING +NITRIDING TREATMENT +LUBRICATING COATING	◎ (A)	10 μ m OR LESS, METAL COMPONENTS ARE NOT DETECTED, MAINLY DUST